west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475 • FAX: (304) 926-0479

Jim Justice, Governor
Austin Caperton, Cabinet Secretary
www.dep.wv.gov

February 24, 2017

Robert L. Cline, Authorized Agent
Greenbrier Smokeless Coal Mining, LLC
PO Box Q
4425 Anjean Road
Rupert, WV 25984

Re: Application Status: Approved
Greenbrier Smokeless Coal Mining, LLC
Mountaineer I Prep Plant
Registration Application G10-D085F
Plant ID No. 025-00068

Dear Mr. Cline:

Your application for a General Permit G10-D registration to modify a wet wash coal preparation plant and railcar loadout as required by Section 5 of 45CSR13 - "Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permit, General Permit, and Procedures for Evaluation" has been approved. The enclosed registration G10-D085F is hereby issued pursuant to Subsection 5.7 of 45CSR13. Please be aware of the notification requirements in the permit which pertain to commencement of construction, modification, or relocation activities; startup of operations; and suspension of operations.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West

Virginia Code §§22-5-14.

Should you have any questions, please contact me at (304) 926-0499, ext. 1210.

Sincerely,

Daniel P. Roberts, Engineer Trainee
NSR Permitting Section

Enclosures

c: Robert L. Cline, robert.cline@coronadous.com
Leslie Lavender, leslie.lavender@coronadous.com
Donna Toler, donnatoler@suddenlink.net

West Virginia Department of Environmental Protection
Division of Air Quality

Jim Justice
Governor

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Cabinet Secretary

Class II General Permit G10-D Registration for a Class I Administrative Update

for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation,
Administrative Update and Operation of
Coal Preparation Plants and Coal Handling Operations

The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of General Permit G10-D.

G10-D085F

Issued to:
Greenbrier Smokeless Coal Mining, LLC
Mountaineer I Prep Plant
025-00068

William F. Durham
Director

Effective: February 24, 2017

This Class II General Permit Registration will supercede and replace registration G10-D085E approved on June 16, 2015.

Greenbrier Smokeless Coal Mining, LLC's existing wet wash coal preparation plant (G10-D085F) and raw coal screening plant (G10-D159) meet the definition of "Building, Structure, Facility, or Installation" in 45CSR14.2.10 and "Major Source" in 45CSR30.2.26 and shall be considered as one facility for determining applicability to 45CSR14 (PSD) and 45CSR30 (Title V). Therefore, Greenbrier Smokeless Coal Mining, LLC's existing wet wash coal preparation plant (G10-D085F) and raw coal screening plant (G10-D159) shall be combined when determining applicability and share the common facility ID Number of 025-00068.

Facility Location:	Rupert, Greenbrier County, West Virginia
Mailing Address:	PO Box Q, 4425 Anjean Road, Rupert, WV 25984
Facility Description:	Wet Wash Coal Preparation Plant
SIC Codes:	1221 (Bituminous Coal & Lignite - Surface) 1222 (Bituminous Coal & Lignite - Underground)
NAICS Codes:	212111 (Bituminous Coal and Lignite Surface Mining) 212112 (Bituminous Coal Underground Mining)
UTM Coordinates:	Easting: 530.4736 km • Northing: 4208.9947 km • NAD83 Zone 17N
Lat/Lon Coordinates:	Latitude: 38.028144 • Longitude: -80.652778 • NAD83
Registration Type:	Modification
Description of Change:	Modification to do the following: add a Caterpillar C4.4 ACERT 173.5 hp emergency generator; replace the currently permitted Ford V6 4 Stroke OHV with a Cummins QSX15-G9 755 hp emergency generator; and delete direct ship screen SS-07 and the associated transfer points TP-55 and TP-56.

Subject to 40CFR60 Subpart Y? Yes
Subject to 40CFR60 Subpart IIII? Yes
Subject to 40CFR60 Subpart JJJJ? Yes

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source is a nonmajor source subject to 45CSR30.

All registered facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

The following sections of Class II General Permit G10-D apply to the registrant:

Section 5	Coal Preparation and Processing Plants and Coal Handling Operations	☐☑
Section 6	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after October 27, 1974, and on or before April 27, 2008 (40CFR60 Subpart Y)	☐☑
Section 7	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after April 28, 2008, and on or before May 27, 2009 (40CFR60 Subpart Y)	☐
Section 8	Standards of Performance for Coal Preparation and Processing Plants that Commenced Construction, Reconstruction or Modification after May 27, 2009 (40CFR60 Subpart Y)	☐☑
Section 9	Reciprocating Internal Combustion Engines (R.I.C.E.)	☐☑
Section 10	Tanks	☐☑
Section 11	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)	☐☑
Section 12	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)	☐☑

Emission Units

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
Direct Ship Coal Circuit									
BS-07	C 2014	5 and 8	Truck Dump Bin - 100 ton capacity - receives direct ship coal from trucks and then drops it onto BC-17	600	5,256,000	PW	B A	TP-52 TP-53	UD-PW TC-FE
BC-17	C 2014	5 and 8	Belt Conveyor - receives direct ship coal from BS-07 and transfers it to CR-03	600	5,256,000	PE	B A	TP-53 TP-54	TC-FE TC-FE
CR-03	C 2014	5 and 8	Double Roll Crusher - receives oversize direct ship coal from BC-17, crushes it to 4"x0 and then drops it onto BC-18	600	5,256,000	FW	B A	TP-54 TP-57	TC-FE TC-FW
BC-18	C 2014	5 and 8	Belt Conveyor - receives sized direct ship coal from CR-03 and transfers it to OS-11	600	5,256,000	PE	B A	TP-57 TP-58	TC-FW TC-MDH
OS-11	C 2014	5 and 8	Sized Direct Ship Coal Open Storage Pile - 25,000 ton capacity - maximum base area of 38,869 ft^2 and 60' height - receives sized direct ship coal from BC-06 via stacking tube, stores it and then underpile reclaim feeders drop it onto BC-07 (see Clean Coal Circuit below)	600	5,256,000	WS	B A	TP-58 TP-59	TC-MDH LO-UC
Trucked Raw Coal Circuit									
BS-02	M 2013 C Dec. 2007	5 and 8	Truck Dump Bin - 75 ton capacity - receives raw coal from trucks and then drops it into SS-04	600	5,256,000	PW	B A	TP-15 TP-16	LO-UC TC-FE
SS-04	M 2013 C Dec. 2007	5 and 8	Single Deck Screen - receives raw coal from BS-02, sizes it and pass through coal transfers onto BC-06 and oversize material transfers to OS-04 or CR-02	600	5,256,000	FW	B A A A	TP-16 TP-19 TP-17 TP-20	TC-FW TC-FW TC-MDH TC-FW

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
OS-04	M 2013 C Dec. 2007	5 and 8	Oversized Material Open Storage Pile - 50 ton capacity - maximum base area of 100 ft^2 and 15' height - receives oversized material from SS-04, stores it and then a front-endloader transfers it to OS-08 (see Refuse Circuit below)	60	525,600	WS	B A	TP-17 TP-18	LO-UC TC-FE
CR-02	C 2013	5 and 8	Double Roll Crusher - receives oversize raw coal from SS-04, crushes it to 4"x0 and then drops it onto BC-06	600	5,256,000	FW	B A	TP-20 TP-21	TC-FW TC-FW
BC-06	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives sized raw coal from SS-04 and CR-02 and transfers it to OS-02	600	5,256,000	PE	B B A	TP-19 TP-21 TP-22	TC-FW TC-FW TC-PE
OS-02	M 2013 C Dec. 2007	5 and 8	Raw Coal Open Storage Pile - 20,000 ton capacity - maximum base area of 88,869 ft^2 and 90' height - receives raw coal from BC-06 via stacking tube, stores it and then underpile reclaim feeders drop it onto BC-07 (see Deep Mined Raw Coal Circuit below)	600 in 700 out	5,256,000	WS	B A	TP-22 TP-23	TC-PE LO-UC
Deep Mine Raw Coal Circuit									
BC-01	M 2013 C Nov. 2008	5 and 8	Belt Conveyor - transfers raw coal from the #1 Mine Portal to SS-01 inside the Screening Building	700	6,132,000	PE	B A	TP-01 TP-02	TC-FE TC-FW
SS-01	M 2013 C Dec. 2007	5 and 8	Single Deck Screen - receives raw coal from BC-01, scalps it passing only 2"X0 onto BC-02, while the scalped rock drops onto BC-03 (see below)	700	6,132,000	FW	B A A	TP-02 TP-03 TP-04	TC-FW TC-FW TC-FE
BC-15	M 2013 C 2011 *	5 and 8	Belt Conveyor - transfers raw coal from the #3 Mine Portal to BC-16 (Constructed in 2011, but not permitted until 2013)	700	6,132,000	PE	B A	TP-05 TP-06	TC-FE TC-FE
BC-16	M 2013 C 2011 *	5 and 8	Belt Conveyor - transfers raw coal from BC-15 to SS-02 inside the Screening Building (Constructed in 2011, but not permitted until 2013)	700	6,132,000	PE	B A	TP-06 TP-07	TC-FE TC-FW
SS-02	M 2013 C Dec. 2007	5 and 8	Single Deck Screen - receives raw coal from BC-16, scalps it passing only 2"X0 onto BC-02, while the scalped rock drops onto BC-03	700	6,132,000	FW	B A A	TP-07 TP-08 TP-09	TC-FW TC-FW TC-FE
BC-03	C Dec. 2007	5 and 6	Belt Conveyor - receives scalped rock from SS-01 and SS-02 and transfers it to OS-03 or BC-14 (In 2013, the maximum throughputs were decreased from 100 TPH and 876,000 TPY to 70 TPH and 613,000 TPY)	70	613,000	PE	B B A A	TP-03 TP-08 TP-10 TP-12	TC-FW TC-FW TC-MDH TC-FE
OS-03	M 2013 C Dec. 2007	5 and 8	Scalped Rock Open Storage Pile - 50 ton capacity - maximum base area of 100 ft^2 and 15' height - receives scalped rock from BC-03, stores it and then an endloader transfers it to OS-08	----	613,200	WS	B A	TP-10 TP-11	TC-MDH LO-MDH
BC-14	Proposed 2010 *	5 and 8	Belt Conveyor - transfers scalped rock from BC-03 and transfers it to OS-08 (*Permitted in 2010, but not yet constructed as of May 2015)	70	613,000	PE	B A	TP-12 TP-13	TC-FE TC-FE
BC-02	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives sized raw coal from SS-01 and SS-02 and transfers it to OS-01 via stacking tube	700	6,132,000	PE	B B A	TP-04 TP-09 TP-14	TC-FE TC-FE TC-PE
OS-01	M 2013 C Dec. 2007	5 and 8	Raw Coal Open Storage Pile - 60,000 ton capacity - maximum base area of 88,869 ft^2 and 90' height - receives raw coal from BC-02, stores it and then underpile reclaim feeders drop it onto BC-07	----	6,132,000	WS	B A	TP-14 TP-16	TC-PE LO-UC
BC-07	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives raw coal from OS-02 (see Trucked Raw Coal Circuit above) and OS-01 and transfers it to SS-05 or SS-06 located within the prep plant building	700	6,132,000	PE	B A	TP-23 TP-24 TP-25	LO-UC LO-UC TC-FW
SS-05	M 2013 * C Dec. 2007	5 and 8	Single Deck Screen - receives raw coal from BC-07, sizes it and then transfers it to the wet wash circuit (*Constructed in 2007, but not permitted until 2013)	350	3,066,000	FW	B A	TP-25 TP-26	TC-FW TC-FW
SS-06	M 2013 * C Dec. 2007	5 and 8	Single Deck Screen - receives raw coal from BC-07, sizes it and then transfers it to the wet wash circuit (*Constructed in 2007, but not permitted until 2013)	350	3,066,000	FW	B A	TP-27 TP-28	TC-FW TC-FW
Magnetite Circuit									

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
BS-04	C Dec. 2007	-----	Magnetite Bin - 100 ton capacity - receives magnetite from trucks, stores it and then it is used in the wet wash circuit. This process utilizes a closed loop system that vents to a water filled sump.	----	500	FW	B A	N/A N/A	N/A N/A
Clean Coal Circuit									
BC-08	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives sized clean coal from the wet wash circuit and transfers it to OS-05	500	4,380,000	PE	B A	TP-29 TP-30	TC-PE TC-PE
OS-05	M 2013 C Dec. 2007	5 and 8	Clean Coal Open Storage Pile - 45,000 ton capacity - maximum base area of 88,869 ft^2 and 90' height - receives clean coal from BC-08, stores it and then it is reclaimed underpile to BC-09	500 in 800 out	4,380,000	WS	B A	TP-30 TP-31	TC-PE LO-UC
BC-09	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives clean coal from OS-05, OS-11, OS-12, OS-13 and OS-14 and transfers it to OS-06 or BC-10	800	4,380,000	PE	B A A	TP-31 TP-32 TP-33	LO-UC TC-PE TC-FE
OS-06	M 2013 C Dec. 2007	5 and 8	Clean Coal Open Storage Pile - 45,000 ton capacity - maximum base area of 88,869 ft^2 and 90' height - receives clean coal from BC-09 via stacking tube and from trucks, stores it and then it is reclaimed underpile to BC-11 (see below)	800 in 4,000 out	4,380,000	WS	B B A	TP-32 TP-35 TP-36	TC-PE UL-MDH LO-UC
BC-10	C Dec. 2007	5 and 6	Belt Conveyor - receives clean coal from BC-09 and transfers it to OS-07 via stacking tube (In 2013, the maximum throughputs were decreased from 1,200 TPH and 8,760,000 TPY to 800 TPH and 4,380,000 TPY)	800	4,380,000	PE	B A	TP-33 TP-34	TC-FE TC-PE
OS-07	M 2013 C Dec. 2007	5 and 8	Clean Coal Open Storage Pile - 45,000 ton capacity - maximum base area of 88,869 ft^2 and 90' height - receives clean coal from BC-10 via stacking tube and from trucks, stores it and then it is reclaimed underpile to BC-11	800 in 4,000 out	4,380,000	WS	B B A	TP-34 TP-35 TP-37	TC-PE UL-MDH LO-UC
BC-11	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - reclaims clean coal from OS-06 and OS-07 and transfers it to BS-05	4,000	5,380,000	FE	B B A	TP-36 TP-37 TP-38	LO-UC LO-UC TC-FE
BS-05	M 2013 C Dec. 2007	5 and 8	Clean Coal Weigh Batch Bin - 440 ton capacity - receives clean coal from BC-11, weighs it and then drops it to BS-06	4,000	5,380,000	FE	B A	TP-38 TP-39	TC-FE TC-FE
BS-06	M 2013 C Dec. 2007	5and 8	Clean Coal Railcar Loadout Bin - 220 ton capacity - receives clean coal from BS-05 and loads it to railcars through a telescopic chute	4,000	5,380,000	FE	B A	TP-39 TP-40	TC-FE LR-TC
Pea Coal Circuit									
BS-08	C 2014	5 and 8	Endloader Feed Bin - 30 ton capacity - receives clean coal from OS-05 via an endloader and then drops it onto BC-19	200	1,752,000	PW	B A	TP-60 TP-61	UD-PW TC-FE
BC-19	C 2014	5 and 8	Belt Conveyor - receives clean coal from BS-08 and transfers it to SS-08	200	1,752,000	PE	B A	TP-61 TP-62	TC-FE TC-PW
SS-08	C 2014	5 and 8	Triple Deck Screen - receives clean coal from BC-19, sizes it and oversize coal drops onto BC-20, pea coal onto BC-21 and undersize coal onto BC-22	200	1,752,000	PW	B A A A	TP-62 TP-63 TP-65 TP-67	TC-PW TC-FW TC-FW TC-FW
BC-20	C 2014	5 and 8	Belt Conveyor - receives oversize clean coal from SS-08 and transfers it to OS-12	100	584,000	N	B A	TP-63 TP-64	TC-FW TC-MDH
OS-12	C 2014	5 and 8	Oversize Clean Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 20' height - receives oversize clean coal from BC-20, stores it and then underpile reclaim feeders drop it onto BC-09 (see Clean Coal Circuit above) (*Combined between OS-12, OS-13 and OS-14)	100 in 200 out*	584,000	WS	B A	TP-64 TP-69	TC-MDH LO-UC
BC-21	C 2014	5 and 8	Belt Conveyor - receives clean pea coal from SS-08 and transfers it to OS-13	100	584,000	N	B A	TP-65 TP-66	TC-FW TC-MDH

Equipment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
OS-13	C 2014	5 and 8	Clean Pea Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 20' height - receives clean pea coal from BC-21, stores it and then underpile reclaim feeders drop it onto BC-09 (see Clean Coal Circuit above) (*Combined between OS-12, OS-13 and OS-14)	100 in 200 out*	584,000	WS	B A	TP-66 TP-69	TC-MDH LO-UC
BC-22	C 2014	5 and 8	Belt Conveyor - receives undersize clean coal from SS-08 and transfers it to OS-13	100	584,000	N	B A	TP-67 TP-68	TC-FW TC-MDH
OS-14	C 2014	5 and 8	Undersize Clean Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 20' height - receives undersize clean coal from BC-22, stores it and then underpile reclaim feeders drop it onto BC-09 (see Clean Coal Circuit above) (*Combined between OS-12, OS-13 and OS-14)	100 in 200 out*	584,000	WS	B A	TP-68 TP-69	TC-MDH LO-UC
Permanent Pea Coal Circuit									
BC-23	C 2015	5 and 8	Stacking Belt Conveyor - receives clean pea coal from the wet wash circuit and transfers it to OS-15, OS-16, OS-17 or OS-18	200	1,752,000	PE	B A A A A	TP-70 TP-71 TP-72 TP-72 TP-74	TC-FW TC-MDH TC-MDH TC-MDH TC-MDH
OS-15	C 2015	5 and 8	Pea Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 30' height - receives clean pea coal from BC-23, stores it and then a front endloader loads it to trucks for shipment from the facility	50	438,000	WS	B A	TP-71 TP-72	TC-MDH LO-MDH
OS-16	C 2015	5 and 8	Pea Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 30' height - receives clean pea coal from BC-23, stores it and then a front endloader loads it to trucks for shipment from the facility	50	438,000	WS	B A	TP-73 TP-74	TC-MDH LO-MDH
OS-17	C 2015	5 and 8	Pea Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 30' height - receives clean pea coal from BC-23, stores it and then a front endloader loads it to trucks for shipment from the facility	50	438,000	WS	B A	TP-75 TP-76	TC-MDH LO-MDH
OS-18	C 2015	5 and 8	Pea Coal Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 30' height - receives clean pea coal from BC-23, stores it and then a front endloader loads it to trucks for shipment from the facility	50	438,000	WS	B A	TP-77 TP-78	TC-MDH LO-MDH
Refuse Circuit									
OS-10	C Dec. 2007	-----	Sand and Lime Open Storage Pile - 5,000 ton capacity - maximum base area of 8,869 ft^2 and 15' height - receives sand and lime from trucks, stores it and then a front-endloader transfers it to BS-03	6	52,500	WS	B A	TP-42 TP-43	LO-MDH UD-PW
BS-03	C Dec. 2007	-----	Sand and Lime Bin - 30 ton capacity - receives sand and lime from OS-10 via a front-endloader and drops it onto BC-12	6	52,560	PW	B A	TP-43 TP-44	UD-PW TC-PE
BC-12	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives oversize rock from BC-14, refuse from the wet wash circuit and sand and lime from BS-03 and transfers it to OS-08.	500	4,380,000	PE	B B B A	TP-13 TP-41 TP-44 TP-45	TC-FE TC-FE TC-PE TC-MDH
OS-08	M 2013 C Dec. 2007	5 and 8	Refuse Open Storage Pile - 15,000 ton capacity - maximum base area of 28,869 ft^2 and 35' height - receives refuse and sand and lime from BC-12 and oversize rock from OS-03 and OS-04 via a front-endloader, stores it and then a front-end loader transfers it to trucks for delivery to the refuse area	500	4,380,000	WS	B B B A A	TP-45 TP-11 TP-18 TP-46 TP-47	TC-MDH LO-MDH LO-MDH LO-MDH UL-MDH
BC-13	M 2013 C Dec. 2007	5 and 8	Belt Conveyor - receives fine refuse from the wet wash circuit and transfers it to OS-09	200	1,752,000	PE	B A	TP-48 TP-49	TC-FE TC-MDH

Equip-ment ID No.	Date of Construction, Reconstruction or Modification [1]	G10-D Applicable Sections [2]	Emission Unit Description	Maximum Permitted Throughput		Control Device [3]	Associated Transfer Points		
				TPH	TPY		Location: B -Before A -After	ID No.	Control Device [3]
OS-09	M 2013 C Dec. 2007	5 and 8	Fine Refuse Open Storage Pile - 7,500 ton capacity - maximum base area of 18,869 ft^2 and 25' height - receives fine refuse from BC-13, stores it and then a front-end loader transfers it to trucks for delivery to refuse area	200	1,752,000	WS	B A A	TP-49 TP-50 TP-51	TC-MDH LO-MDH UL-MDH

[1] In accordance with 40 CFR 60 Subpart Y, coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified on or before April 28, 2008 shall not discharge gases which exhibit 20 percent opacity or greater. Coal processing and conveying equipment, coal storage systems, and coal transfer and loading systems constructed, reconstructed, or modified after April 28, 2008 shall not discharge gases which exhibit 10 percent opacity or greater. For open storage piles constructed, reconstructed, or modified after May 27, 2009, the permittee shall prepare and operate in accordance with a fugitive coal dust emissions control plan that is appropriate for site conditions.

[2] All registered affected facilities under Class II General Permit G10-D are subject to Sections 1.0, 1.1, 2.0, 3.0 and 4.0.

[3] Control Device Abbreviations: FE - Full Enclosure; FW - Full Enclosure with Water Sprays; PE - Partial Enclosure; PW - Partial Enclosure with Water Sprays; WS - Water Sprays; and NC - No Control.

Emission Limitations

- Facility-wide Emissions - **Greenbrier Smokeless Coal Mining, LLC Mountaineer I Prep Plant**	**Maximum Controlled PM Emissions**		**Maximum Controlled PM_{10} Emissions**	
	lb/hour	TPY	lb/hour	TPY
Fugitive Emissions				
Open Storage Pile Emissions	0.63	2.78	0.30	1.31
Unpaved Haulroad Emissions	408.53	1,789.70	118.07	517.23
Paved Haulroad Emissions	0.43	1.90	0.08	0.37
Fugitive Emissions Total	*409.60*	*1,794.38*	*118.45*	*518.91*
Point Source Emissions				
Equipment Emissions	33.40	146.29	15.70	68.76
Transfer Point Emissions	8.30	24.90	3.92	11.78
Generators	0.77	0.19	0.77	0.19
Point Source Emissions Total (PTE)	*42.47*	*171.38*	*20.39*	*80.73*
FACILITY EMISSIONS TOTAL	**452.06**	**1,965.76**	**138.84**	**599.63**

Storage Tanks

Source ID No.	Status	Content	Design Capacity			Orientation	G10-D Applicable Sections
			Volume	Diameter	Throughput		
T1	EXIST	Diesel	1,000	4	8,000	HORZ	10
T2	EXIST	Diesel	500	4	3,000	HORZ	10
T3	EXIST	Nalco 8800	5,000	6	5,000	VERT	10
T4	EXIST	Nalco 8800	5,000	6	5,000	VERT	10
T5	EXIST	Nalco 8800	5,500	6	5,000	VERT	10
T6	EXIST	Nalco 8800	5,500	6	5,000	VERT	10
T7	EXIST	Diesel	3,000	5.5	12,000	HORZ	10
T8	EXIST	Kerosene	500	4	2,000	HORZ	10
T9	EXIST	Diesel	2,000	6	8,000	HORZ	10
T10	EXIST	Diesel	500	4	2,000	HORZ	10
T11	EXIST	Diesel	500	4	2,000	HORZ	10
T12	EXIST	Cationic Floc	5,000	6	30,000	VERT	10
T13	EXIST	Anionic Floc	5,000	6	30,000	VERT	10

Engines

Source ID	Emission Source	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (TPY)
Gen Set - 1	2009 Generac OHVI V-Twin 32 hp (24 kW) Propane	Nitrogen Oxides (NO_X)	0.03	0.01
		Carbon Monoxide (CO)	0.02	< 0.01
		Volatile Organic Compounds (VOC)	< 0.01	< 0.01
		Particulate Matter <10 microns (PM_{10})	< 0.01	< 0.01
		Sulfur Dioxide (SO_2)	0.00	0.00
		Total HAPs	0.28	0.07
Gen Set - 2	2013 Cummins QSX15-G9 - 755 hp (563 kW) - No. 2 Fuel Oil	Nitrogen Oxides (NO_X)	4.35	1.09
		Carbon Monoxide (CO)	4.35	1.09
		Volatile Organic Compounds (VOC)	0.50	0.12
		Particulate Matter <10 microns (PM_{10})	0.12	0.03
		Sulfur Dioxide (SO_2)	0.01	< 0.01
		Total HAPs	0.01	< 0.01
Gen Set - 3	2009 Caterpillar 4FN02046 - 2,628 hp (1,960 kW) No. 2 Fuel Oil	Nitrogen Oxides (NO_X)	35.91	8.98
		Carbon Monoxide (CO)	5.19	1.30
		Volatile Organic Compounds (VOC)	1.73	0.43
		Particulate Matter <10 microns (PM_{10})	0.56	0.14
		Sulfur Dioxide (SO_2)	0.85	0.21
		Total HAPs	0.03	0.01
Gen Set - 4	2009 Caterpillar C4.4 173.5 hp (130 kW) No. 2 Fuel Oil	Nitrogen Oxides (NO_X)	1.14	0.28
		Carbon Monoxide (CO)	1.43	0.36
		Volatile Organic Compounds (VOC)	0.43	0.11
		Particulate Matter <10 microns (PM_{10})	0.09	0.02
		Sulfur Dioxide (SO_2)	0.36	0.09
		Total HAPs	< 0.01	< 0.01
Total Combined Emissions		Nitrogen Oxides (NO_X)	86.57	21.64
		Carbon Monoxide (CO)	19.77	4.94
		Volatile Organic Compounds (VOC)	2.81	0.70
		Particulate Matter <10 microns (PM_{10})	2.74	0.68
		Sulfur Dioxide (SO_2)	0.39	0.10
		Total HAPs	0.32	0.08

Control Devices - *Not Applicable*

Control Device ID No.	Source ID No.	Date Constructed, Reconstructed, or Modified	Emission Unit Description (Make, Model, Serial No., etc.)

Reciprocating Internal Combustion Engines

Emission Unit ID No.	Emission Unit Description (Make, Model, Serial No., etc.)	Year Manufactured/ Reconstructed	Year Installed/ Modified	Design Capacity (Bhp/rpm)
Gen Set-1	Generac OHVI V-Twin (Propane)	2009	2009	32 / 3,600
Gen Set-2	Cummins QSX15-G9 (No. 2 Fuel Oil)	2013	2015	755 / 1,800
Gen Set-3	Caterpillar 4FN02046 (No. 2 Fuel Oil)	2009	2009	2,628 / 1,800
Gen Set-4	Caterpillar C4.4 (No. 2 Fuel Oil)	2009	2015	173.5 / 1,800

Reciprocating Internal Combustion Engines (R.I.C.E.) Information

Emission Unit ID No.	Subject to 40CFR60 Subpart IIII?	Subject to 40CFR60 Subpart JJJJ?	Subject to Sections 9.1.4/9.2.1 (Catalytic Reduction Device)
Gen Set-1	No	Yes	No
Gen Set-2	Yes	No	No
Gen Set-3	Yes	No	No
Gen Set-4	Yes	No	No